



Substitute PTO/SB/8A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO
(Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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|-------|---|----|---|------------------------|-----------------------|
| Sheet | 1 | of | 1 | Attorney Docket Number | A-63761-5/RFT/RMS/RMK |
|-------|---|----|---|------------------------|-----------------------|

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. | U.S. Patent Document Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|----------|---|-----------------------------|---|---|
| A1 | | | | | |
| A2 | | | | | |
| A3 | | | | | |
| A4 | | | | | |
| A5 | | | | | |
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| A7 | | | | | |
| A8 | | | | | |
| A9 | | | | | |
| A10 | | | | | |
| A11 | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. | Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|----------|---|-----------------------------|---|---|----------------|
| B1 | | | | | | |
| B2 | | | | | | |
| B3 | | | | | | |
| B4 | | | | | | |
| B5 | | | | | | |
| B6 | | | | | | |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁶ |
|--------------------|----------|---|----------------|
| AM | C1 | Egholm, Peptide nucleic acids (PNA) Oligonucleotide Analoques with an Achiral Peptide Backbone J. Am. Chem. Soc. 114:1895 (1992) | |
| | C2 | Meier, et. al., Peptide Nucleic Acids (PNA) –Unusual properties of Nonionic oligonucleotide analogues, Chem. Int. Ed. Engl. 31:1008 (1992) | |
| | C3 | Carlsson C, et. al., Screening for genetic mutations. Nature. 1996 Mar 21;380 (6571):207. | |
| | C4 | Egholm et. al. PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogen-bonding rules. Nature. 1993 Oct 7;365 (6446):566-8. | |
| | C5 | | |

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|--------------------|----------------|-----------------|---------|
| Examiner Signature | Askin Marschel | Date Considered | 8-22-03 |
|--------------------|----------------|-----------------|---------|

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⁶ Applicant is to place a check mark here if English Language Translation is attached.

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ETHAN WHISENANT
PRIMARY EXAMINER

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| <p style="text-align: center;">Substitute for form 1449A/PTO</p> <p>O I P INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>AR 14 2002 (use as many sheets as necessary)</p> <p>Sheet C-11-32 of 3</p> | | <i>Complete if Known</i> | |
| | | Application Number | 09/557,577 |
| | | Filing Date | April 21, 2000 |
| | | First Named Inventor | FAIZ et al. |
| | | Group Art Unit | 1631 |
| | | Examiner Name | Marschel, A. |
| | | Attorney Docket Number | A-63761-5/RFT/RMS/RMK |

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U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------------|-----------------------|-------------------------|--------------------------------|---|--|---|----------------|
| Examiner Initials ^a | Cite No. ¹ | Foreign Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ^c |
| | | Office ³ | Number ⁴ (if known) | | | | |
| A/m ✓ | 16 | WO | 85/05815 | Genetics International, Inc. | 03/1985 | | |
| ✓ | 17 | WO | 97/31256 | A3 Cornell Research Found. | 08/1997 | | |
| ✓ | 18 | WO | 97/41425 | A1 Pence Inc. | 11/1997 | | |
| ✓ | 19 | WO | 90/05303 | A1 Pharmacia AB | 05/1990 | | |
| ✓ | 20 | WO | 95/34816 | A1 Pharmacia Biosensor AB | 12/1995 | | |

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|-----------------------|-----------------------|--------------------|---------|
| Examiner Signature | <i>Andrea Mansley</i> | Date Considered | 6-28-02 |
|-----------------------|-----------------------|--------------------|---------|

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**ETHAN WHISENANT
PRIMARY EXAMINER**

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PTO/SB/8A (08-00)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Information on filing a trademark application under OMB control number 0651-0031

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|--|---|------------------------|-----------------------|
| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use as many sheets as necessary)</small> | | Application Number | 09/557,577 |
| | | Filing Date | April 21, 2000 |
| | | First Named Inventor | FAIZ et al. |
| | | Group Art Unit | 1631 |
| | | Examiner Name | Marschel, A. |
| Sheet | 2 | of | 3 |
| | | Attorney Docket Number | A-63761-S/RFT/RMS/RMK |

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|--------------------|--------------------|-----------------|---------|
| Examiner Signature | <i>Adam Marash</i> | Date Considered | 6-28-02 |
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PTO/SB/18B (08-00)

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Sheet 3 of 3

Complete if Known

| | |
|------------------------|-----------------------|
| Application Number | 09/557,577 |
| Filing Date | April 21, 2000 |
| First Named Inventor | FAIZ et al. |
| Group Art Unit | 1631 |
| Examiner Name | Marschel, A. |
| Attorney Docket Number | A-63761-5/RFT/RMS/RMK |

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

**Examiner
Signature**

John Marshall

Date
Considered

6-28-02

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